

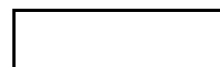
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Approved For Release 2003/06/20 : CIA-RDP78T04759A004600010017-9

PHOTOGRAPHIC INTERPRETATION REPORT



**TYURATAM  
MISSILE TEST CENTER  
LAUNCH GROUP M**



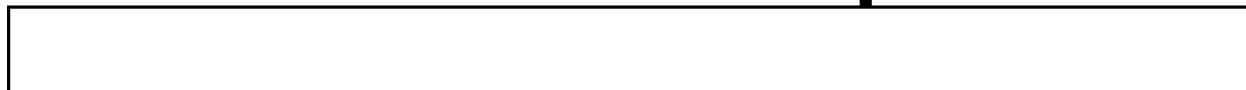
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GROUP 1 EXCLUDED FROM  
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## PREFACE

This report, in response to GMAIC Requirement 8-67 requesting a detailed report on Launch Group M at the Tyuratam Missile Test Center, reflects the status of the launch group as observed on the latest photography. For Launch Sites M1 and M2 this is Mission

[redacted] and for Launch Site M3 it is [redacted]

[redacted] Complete mensuration of the elements of the launch group had not been completed at the time of preparation of this report. A detailed report with complete mensuration and graphics at a scale of 250 feet to the inch will be published later.

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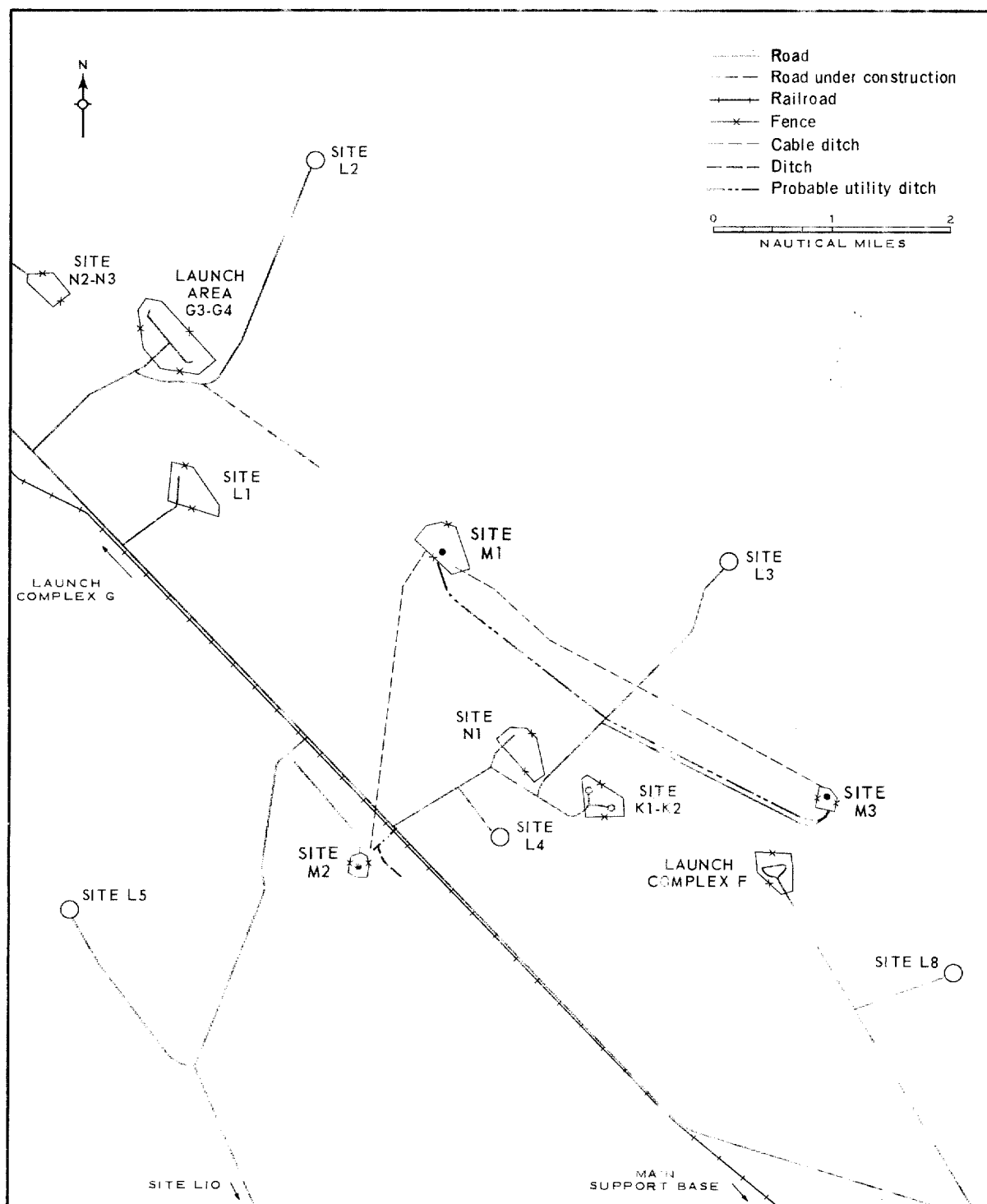


FIGURE 1. LOCATION OF LAUNCH GROUP V.

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**TYURATAM MISSILE TEST CENTER****LAUNCH GROUP M**

Launch Group M, consisting of 3 single-silo launch sites, is located in the western part of the Tyuratam rangehead, between Launch Complexes F and G (Figure 1). Two of the sites, M1 and M3, are located on the northeast side of the main road serving the west end of the rangehead, and the third site, M2, is located on the southwest side of the main road.

The type of silo being constructed at these sites has not been determined. The construction pace has been deliberate but no silo headworks have been started. The features and construction procedures exhibited at these sites are unique, although certain similarities characteristic of both Type IIIC and IIID silo construction are evident. Launch Sites M2 and M3 appear to be alike, but different than Launch Site M1. At Launch Sites M2 and M3 the placement and size of the building at the entrance to the site is similar, but differs from the building at the entrance to Launch Site M1. Also, construction of 2 rectangular structures, which apparently will be connected by a conduit, is in progress at Launch Sites M2 and M3; no evidence of similar construction has been identified at Launch Site M1.

All of the sites will be road served. A road is under construction to Launch Site M1 from the access road serving Launch Site L2 of Launch Group L. This road presently extends from its origin just southeast of Launch Area G3-G4 to a point approximately half the distance to Launch Site M1. The road to Launch Site M2 branches from the access road to Launch Sites L5 and L10 of Launch Group L. The road to Launch Site M3 branches from the access

road to Launch Site L3 of Launch Group L.

Ditching has been identified connecting the sites, and extending to the sites from, or parallel to, access roads. Although it is impossible to positively identify the function of the ditches, those directly connecting the sites are evaluated as cable ditches and those extending from, or paralleling, the access roads are evaluated as probable utility ditches. A single cable ditch extends from the southeast side of Launch Site M1 and connects with Launch Site M3 in a direct, although not perfectly straight alignment. A single cable ditch also extends in a southwesterly direction for a short distance from the southwest side of Launch Site M1. It then turns southward and continues in a straight line to Launch Site M2. At a point between these cable ditches, and just south of the silo at Site M1, a pair of probable utility ditches extends in a southeasterly direction to the intersection of the access roads serving Launch Sites L3 and M3. A single probable utility ditch, parallel to and on the north side of the access road, extends from this intersection to Site M3. A closed probable utility ditch extends southwestward at approximately right angles from the main road serving the west end of the rangehead to Site M2; an open ditch extends southeasterly for a short distance from this probable utility ditch.

**LAUNCH SITE M1**

Launch Site M1 (Figures 2 and 3) is located at 46-03N 063-02, approximately 2.2 nm east-southeast of Launch Area G3-G4. First evidence of construction was observed in

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FIGURE 2. LAUNCH SITE M1.

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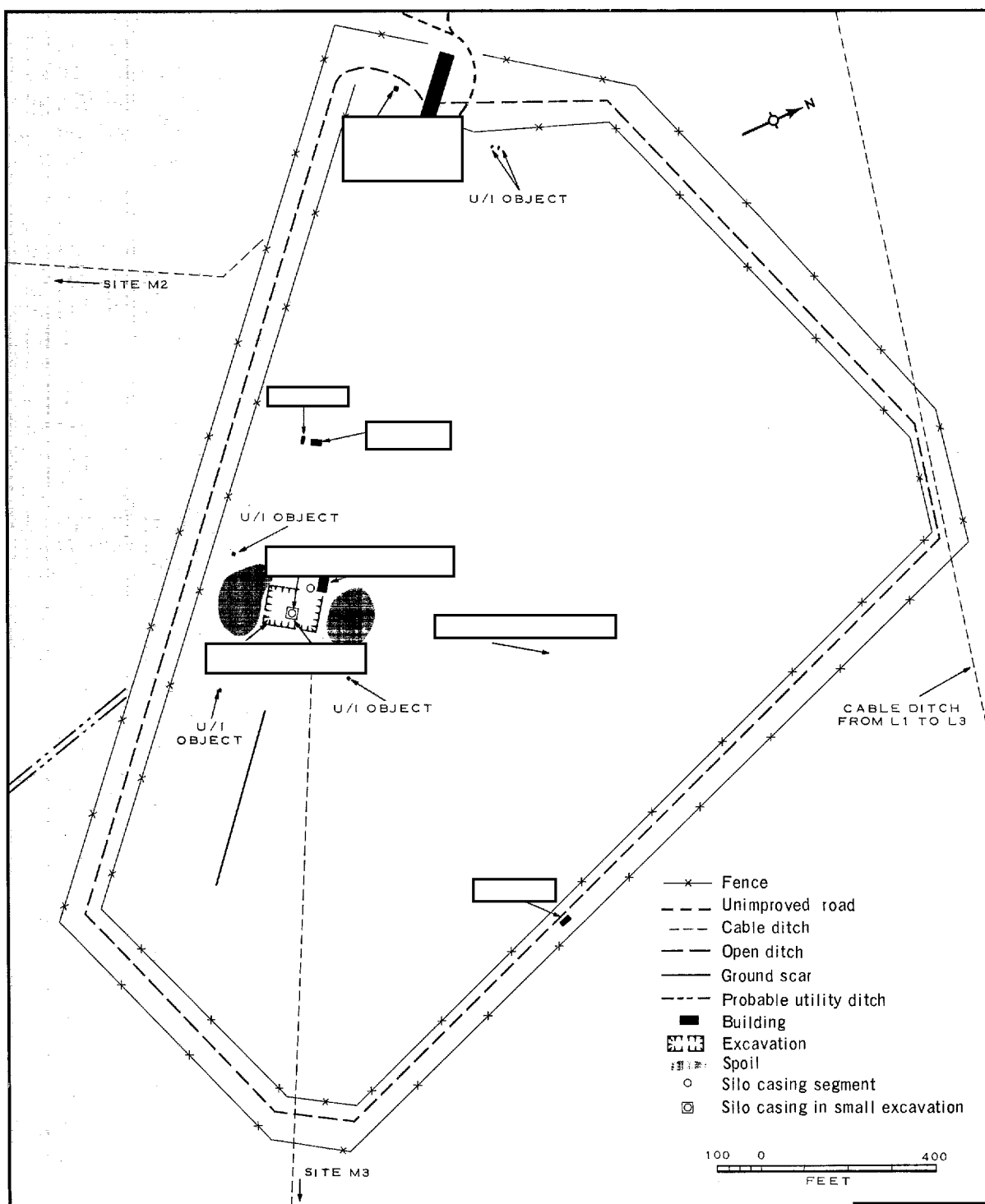
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FIGURE 3. LAYOUT OF LAUNCH SITE M1.

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[redacted] and there was no evidence of construction in [redacted]

A double security fence in the general shape of a triangle encloses the site. The shape and size of the area enclosed by the fence is similar to Soviet single-silo sites which have associated L-shaped electronic facilities, however no evidence of such construction has been identified. The silo is under construction in a rectangular excavation near the southwest fence-line; spoil from the excavation has been piled at the ends of the long axis of the excavation which is oriented on an azimuth of approximately [redacted]

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A plus-shaped ground scar was visible when the site was in an earlier stage of construction in [redacted]

At that time the legs of the plus intersected at the silo coring; only one leg of the plus, extending southeast from the silo, is now visible. A cut was made through the spoil pile at the southwest end of the excavation, apparently to facilitate placement of the plus-shaped ground scar. The silo coring appears to have been cased up to the level of the bottom of the main excavation, and a shallow square excavation has been dug around the top of the silo casing. A building has been constructed north of the silo, on the edge of the main excavation. The walls forming the long axis of the building extend beyond that portion of the building which has been roofed, suggesting that it eventually may be earth-mounded. The building is similar in appearance to those constructed near the Type IID silos of Launch Group L at Tyuratam. The alignment of the 2 probable utility ditches to this site and the cable ditch to Launch Site M3 indicates that they will terminate at or near the silo; the alignment of the cable ditch to Launch Site M2 indicates that it will terminate at or near the large building between the security fences at the entrance on the northwest side of Launch

Site M1. This building is similar to those observed at Type IIC single-silo sites at Tyuratam. A ditch, aligned approximately midway between the fences, circuits the site. It originates and terminates at the large building. On the east side of the site, adjacent to the ditch, a small structure is located between the fences. Grading and scraping away of plant growth is in progress between the fences on the southwest side of the site. A possible reason for the ditching, grading, and plant removal between the fences would be the installation of an electronic-sensing type of security device.

There are 2 small buildings just northwest of the silo, and a small building just southwest of the large building at the entrance to the site. Three unidentified objects are in the vicinity of the silo excavation, and 2 more are near the fence line at the entrance to the site. Unimproved roads, formerly providing access to a borrow pit, traverse the site in an east-west direction. These are presently being used as site access roads pending completion of an improved road now under construction.

#### LAUNCH SITE M2

Launch Site M2 (Figure 4) is located at 46-00N 063-01E, approximately 3.5 nm west-southwest of Launch Complex F. First evidence of construction was observed in [redacted] [redacted] and there was no evidence of construction in [redacted]

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An irregularly shaped, but somewhat rectangular, double security fence encloses the site. The silo is under construction in a rectangular excavation near the center of the site, and spoil from the excavation has been piled north and southwest of the main excavation. The long axis of the excavation is oriented on an azimuth of approximately [redacted] A plus-shaped ground scar is superimposed on the site, with the intersections of the legs centered on the

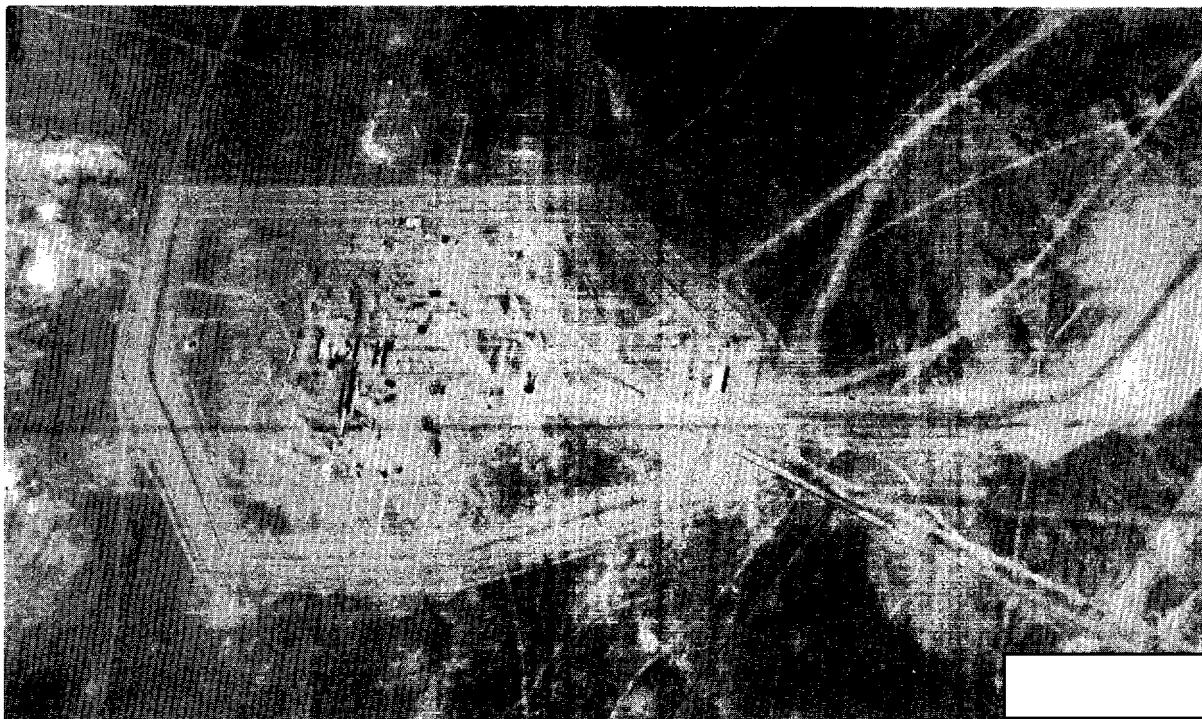
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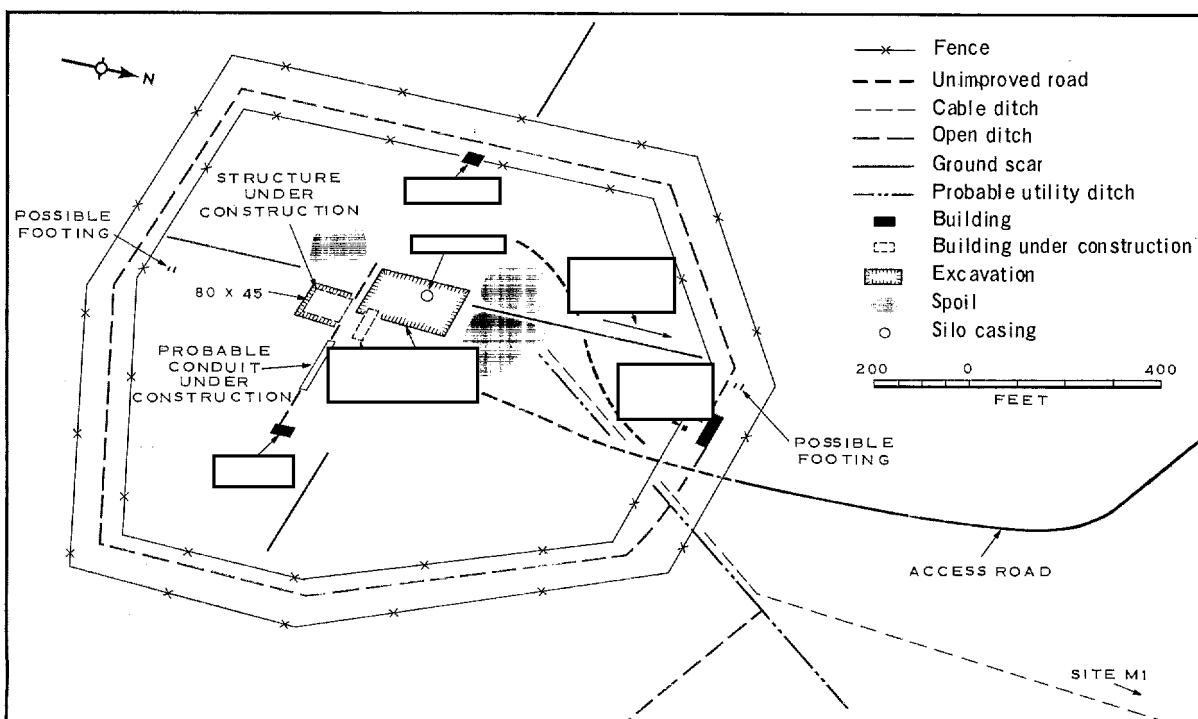
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FIGURE 4. LAUNCH SITE M2.

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silo. A cut has been made through the spoil pile north of the main excavation, apparently to facilitate placement of the plus-shaped ground scar. The silo coring appears to have been cased up to the level of the bottom of the main excavation. A building, which appears to be similar if not identical to the one at Launch Site M1, is under construction southeast of the silo on the edge of the main excavation. A rectangular structure is under construction in an excavation at the southeast corner of the main excavation. From a point near the rectangular structure, a probable conduit under construction in a ditch extends eastward toward a second smaller rectangular structure. The cable ditch from Launch Site M1 and the probable utility ditch enter Launch Site M2 on the north side and their alignment indicates they will terminate at or near the silo.

A building located between the security fences on the west side of the access road is similar in appearance to those observed in similar positions at the Type IIID sites of Launch Group L at Tyuratam. A ditch which circuits the site, aligned approximately midway between the fences, originates and terminates at this building. A small square building is located just to the south, adjacent to the inner security fence. The area between the fences has been graded, and plant growth has been scraped away. A small rectangular structure is located west of the silo, along the inner fenceline. Two small shallow excavations with possible footings in them are located just west of the building at the entrance to the site, and 2 more excavations are located near the southern fenceline. The access road to the site is completed to the security fence.

### LAUNCH SITE M3

Launch Site M3 (Figure 5) is located at 46-02N 063-06E, approximately 1 nm north-

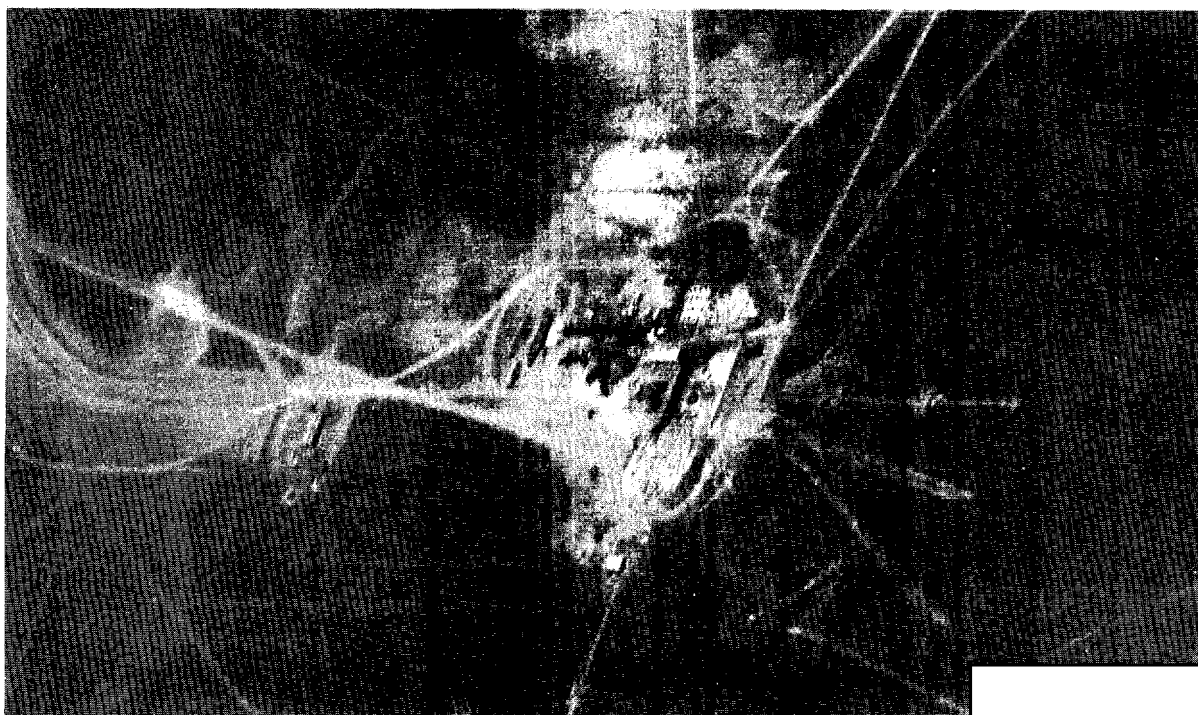
northeast of Launch Complex F. First evidence of construction was observed in [REDACTED] and there was no evidence of construction in [REDACTED]

A generally rectangular double security fence encloses the site. The silo is under construction in a rectangular excavation offset toward the north end of the secured area. Spoil from the excavation is piled at the east and west ends of the main excavation. The long axis of the excavation is oriented on an azimuth of approximately [REDACTED]. A plus-shaped ground scar superimposed on the site was visible when the site was in an earlier stage of construction in [REDACTED].

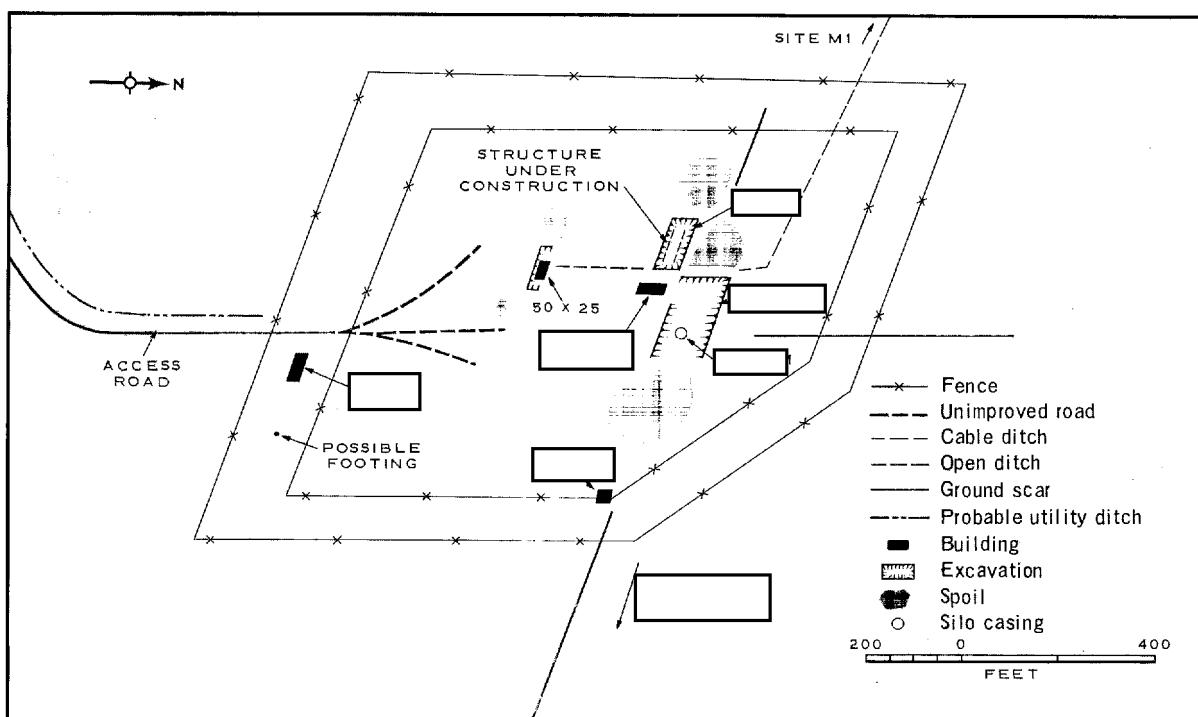
The intersection of the legs of the "plus" is centered on the silo. On the latest usable coverage [REDACTED] the southern leg of the "plus" is not visible. The spoil piles at the ends of the main excavation were not cut through for the placement of the plus-shaped ground scar, as they were at Launch Sites M1 and M2. The silo coring appears to have been cased up to the level of the bottom of the main excavation. A building, similar if not identical to the one at Site M1, has been constructed southwest of the silo on the edge of the main excavation. A rectangular structure is under construction in an excavation at the southwest corner of the main excavation; spoil is piled on the west side. A ditch extends southward from the structure under construction to a second, smaller rectangular structure in a shallow excavation. Spoil is piled to the west and southeast of the latter structure.

The cable ditch from Launch Site M1 enters Launch Site M3 at the northwest corner and can be traced to the northwest corner of the main excavation. The probable utility ditch to the site parallels the north side of the access road and follows the alignment of the road as it curves northward into the site. The road is im-

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FIGURE 5. LAUNCH SITE M3.

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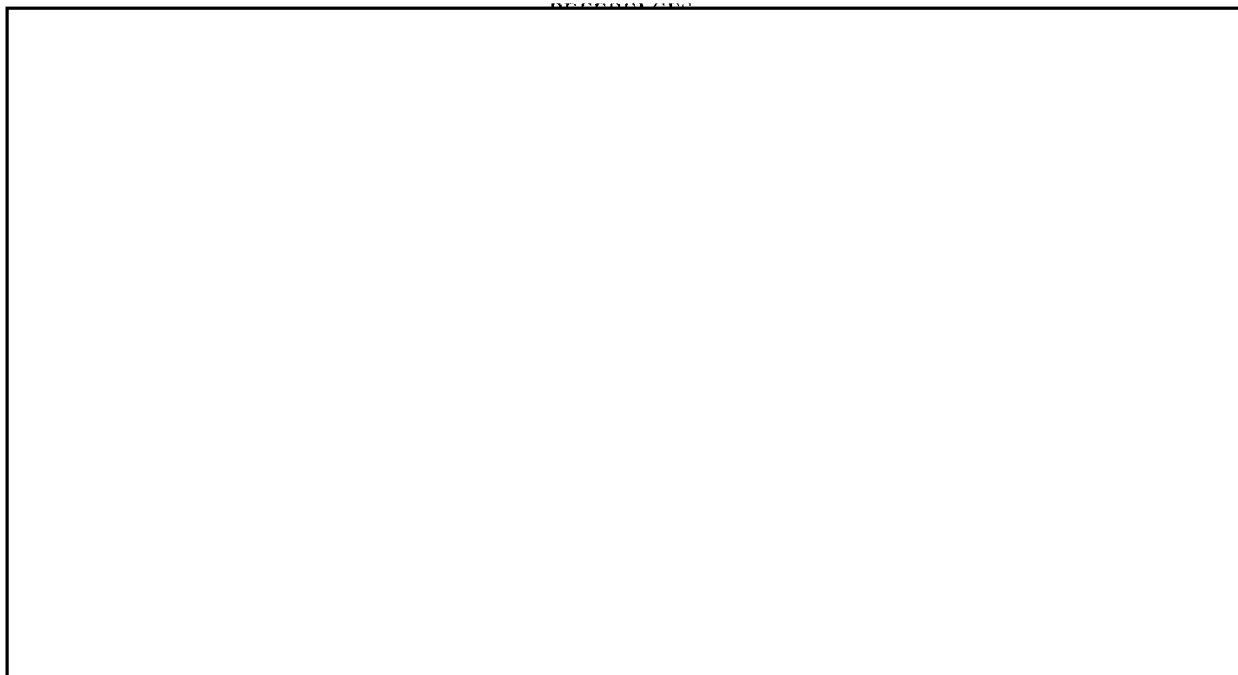
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proved to the fenceline. A building located between the security fences on the east side of the access road appears to be identical to one in a similar position at Launch Site M2. A small excavation with a possible footing in it is located to the rear of the building. A small square structure is located along the inner

fenceline east of the silo. The area between the fences has been graded, and plant growth has been scraped away. Although no ditch such as those observed at Launch Sites M1 and M2 has been identified, one could have been back-filled prior to the grading between the fences.

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#### MAPS OR CHARTS

AMS. DESPA, Series 2, Sheet NL 41A-1, 1st ed, 1964, scale 1:50,000 (TOP SECRET)

#### REQUIREMENT

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